



# MAXSEAL® -Y

## FLEXIBLE ACRYLIC COATING FOR INDOOR WATERPROOFING OF GYPSUM, PLASTER, MORTAR AND CONCRETE

### DESCRIPTION

**MAXSEAL® -Y** is a one-component, water-based, flexible, acrylic coating, ready to use for applying directly on indoor walls of gypsum, plaster, mortar and concrete. It is a thixotropic paste that once polymerised it becomes a non-degradable 100% waterproof coating with good adhesion.

### APPLICATION FIELDS

- Indoor waterproofing of gypsum and plaster walls in residential buildings, offices, hotels, etc.
- Waterproofing of indoor walls on mortar and concrete in bathrooms, kitchens, change rooms, etc before covering with ceramic tiles.
- Fixing of tiles on cured **MAXSEAL® -Y**.

### ADVANTAGES

- Light and very good adhesion on mineral substrates, filling small fissures and penetrating into all pores.
- It can be covered by any kind of tile mortars.
- Maintains flexibility in a wide temperature range.
- Ready to use, and easy applied manually (brush, roller, etc.) or mechanically by air-less spray equipments. Does not require skilled applicators. Cold applied.
- Environmentally friendly: non-toxic, water-based acrylic, non-flammable and solvent-free product.

### APPLICATION INSTRUCTIONS

#### Surface preparation

It must be dry, clean and free of paints, coatings, efflorescence, loose particles, grease, oils, curing agents, form release agents, dust, organic growth or any other contaminants that may affect to adhesion.

#### Application

**MAXSEAL® -Y** is supplied ready to use. Before application, stir the content of the packaging manually by clean tool or preferably by mechanical means such as a slow speed electric drill (300-400 rpm) fitted with a disc mixer, mixing until achieving a homogeneous product in colour and appearance. Do not mix for prolonged period nor use high-speed mixer, which may introduce air bubbles.

Work **MAXSEAL® -Y** into the prepared substrate in order to fill all pores and small voids using a brush or roller. If used a airless spray equipment, dilute with the minimum amount of water that allows its application through the hose.

Apply two coats at perpendicular directions with a recommended consumption from 0,5 to 1,0 kg/m<sup>2</sup> per coat, i.e., 1,0 to 2,0 kg/m<sup>2</sup> total consumption in two coats. Allow to dry from 5 to 18 hours, depending on environmental conditions, and then apply the second coat in perpendicular direction. On surfaces with high porosity and/or numerous cracks and fissures, apply a primer coat of **MAXSEAL® -Y** diluted with 20-30% of water, and then two pure coats.

For fixing of tiles make sure all tile surface comes in contact with **MAXSEAL® -Y**. Thus, depending on the roughness of the tile and wall, the thickness of the layer to be applied will vary. The application technique for the tiles on **MAXSEAL® -Y** is by hand pressing of the tile.

#### Junctions and other outstanding points:

Apply a thick pure coat of **MAXSEAL® -Y** with a consumption of 1,0 kg/m<sup>2</sup>, and then spread a 10-20 cm wide strip of the **DRIZORO® VEIL** glass fibre veil of 45 g/m<sup>2</sup> (Technical Bulletin No. 209) into the fresh coat ensuring that veil is completely embedded. Once it has dried (5-18 hours), apply a second coat of **MAXSEAL® -Y** with a consumption of 1,0 kg/m<sup>2</sup>.

## Application conditions

Do not apply when water contact, condensation, dampness and dew is expected within 24 h after the application.

Do not apply with substrate and/or ambient temperature is at or below 5 °C, or when are expected to fall below 5 °C within 24 h after application. Do not apply to frozen or frost-covered surfaces.

Do not apply **MAXSEAL® -Y** above 90% of relative humidity. Surface and ambient temperature must be at least 3 °C higher than dew point.

## Curing

Allow **MAXSEAL® -Y** to cure for at least 3 days at 20 °C and 50% R.H. before covering and finishing with other coats or layers. Lower temperatures and/or higher R.H. values increase the curing time.

## Cleaning

All mixing and application tools, and equipment must be cleaned immediately with water after use. Once product cures, this can only be removed by mechanical means

## CONSUMPTION

Estimated consumption for **MAXSEAL® -Y** varies from 0,5 to 1,0 kg/m<sup>2</sup> per coat, i.e., a total consumption from 1,0 to 2,0 kg/m<sup>2</sup>, applied into two coats.

These figures are for guidance and may vary depending on porosity, texture, substrate conditions and application method. Perform a preliminary test on-site to ascertain the total consumption exactly.

## IMPORTANT INDICATIONS

- Do not apply on substrates subject to raising damp or negative water pressure.
- Do not add solvents, thinners, additives, aggregate, or other non-specified compound.
- Not for permanent water immersion service.
- For other uses not specified on this Technical Bulletin or further information, consult the Technical Department.

## PACKAGING

**MAXSEAL® -Y** is supplied in 5 kg can and 25 kg drum.

## STORAGE

Twelve months in its unopened and undamaged packaging. Store in a cool, dry and covered place, protected from moisture, freezing and direct sunlight, at temperatures above 5 °C.

## SAFETY AND HEALTH

**MAXSEAL® -Y** is not a toxic product but direct contact with skin and eyes must be avoided. Use rubber gloves and safety goggles when handling, mixing and applying the product. In case of skin contact, wash affected area with soap and water. In case of eye contact, rinse immediately thoroughly with clean water but do not rub. If the irritation persists, seek medical assistance.

Consult the Material Safety Data Sheet for **MAXSEAL® -Y** before use.

Disposal of the product and its packaging should be carried out according to the current official regulations and it is the responsibility of the final user of the product

## TECHNICAL DATA

Product characteristics		
General appearance and colour	Light brown thixotropic paste	
Density, ISO 1675 (g/cm <sup>3</sup> )	1,30 ± 0,1	
Application and curing conditions		
Temperature / Relative Humidity, (°C / %)	Ambient	Substrate
	> 5 / < 90	> 5 / ---
Waiting time between coats at 20 °C, (h)	5 – 18	
Drying time at 20 °C, (h)	24	
Total curing time at 20 °C for flooding test, (d)	7	
Cured product characteristics		
Adhesion on gypsum, EN 1625 (MPa)	1,30	
Adhesion on concrete, EN 1625 (MPa)	1,25	
Consumption*		
Consumption per coat / total application, (kg/m <sup>2</sup> )	0,5-1,0 / 1,0-2,0	

\* These figures are for guidance only and may vary depending on porosity, texture and conditions for substrate, and application method. Perform a preliminary test on-site to ascertain the total consumption exactly under jobsite conditions

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®**, **S.A.U.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



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ISO 9001  
ISO 14001

BUREAU VERITAS  
Certification

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